

AN-V-C-1

(38)

The following was dictated by Dr. Rowland's Secretary, November 1, 1973.

The Center for Human Radiobiology has located 4 individuals out of the group of 18 who were injected with plutonium and americium in 1945-47. Three of these individuals were placed in the metabolic ward of the University of Rochester Hospital for periods ranging from 8 days to two weeks for complete physical examinations and excretion collections. Two of these individuals carry 239 Pu. The third received 238 Pu. We have exhumed one body of an individual in this group who died approximately 18 months after injection.

These cases were first described by W. Langham, et al, in LA-1151, "Distribution and Excretion of Plutonium Administered Intravenously to Man," dated September 20, 1958. These cases were subsequently reviewed by P. Durbin, "Plutonium in Man: A New Look at the Old Data," which appeared in the Symposium Volume, "Radiobiology of Plutonium, 1972."

The details of our involvement in this study can be obtained from Dr. Sidney Marks, the Technical Representative for the Center, who is fully informed of our activities during his visit here October 4-5, 1973. I will be in Germantown November 5-7 and will be pleased to discuss these cases with you if you wish.

Robert E. Rowland, ANL

0000122